

#### ABSTRACT OF THE DISCLOSURE

5       A low noise block down converter accommodates two local oscillators within one shielding chamber in a metal shielding box and has a conductive bar provided between two dielectric resonators included in the local oscillators respectively. The conductive bar prevents electromagnetic coupling between the two dielectric resonators. Therefore, the device dimension can be made small compared to the conventional case in which two local oscillators are completely separated from each other by a metal wall.